

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

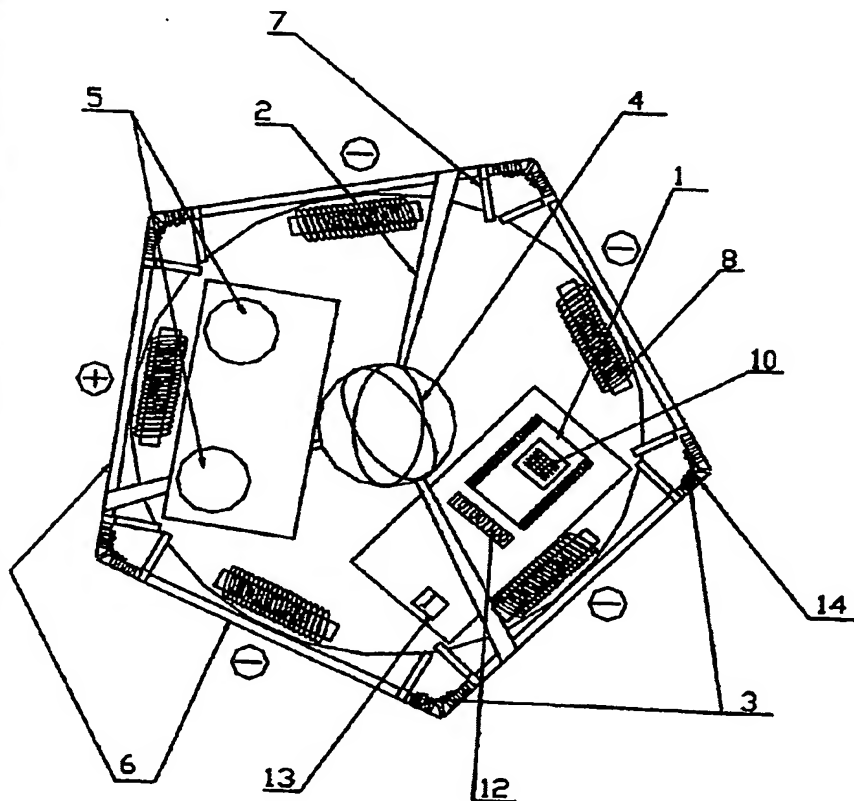
PCT

(10) International Publication Number
WO 2004/062759 A1

- (51) International Patent Classification⁷: **A63H 33/04**, B25J 9/00, 9/08, 9/16
- (21) International Application Number: **PCT/PL2003/000117**
- (22) International Filing Date:
12 November 2003 (12.11.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
P358286 15 January 2003 (15.01.2003) PL
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- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: A SYSTEM OF THREE-DIMENSIONAL MULTIPURPOSE ELEMENTS



(57) Abstract: A system of three-dimensional multipurpose elements consists of single solid elements, which can be computer-controlled to move, connect one to and disconnect one from another. A single element of the system consists of a casing made up of walls (6), linked with each other by means of electroplastic actuator (3) which change the reciprocal position of the walls of the casing of a single element. Changes in the reciprocal position of the walls occur according to the exciting signal transmitted from a programmable integrated circuit (1). Heat emitters (14) carry away excess heat from the system devices. Inside a single element there are provided interlocks (7) for connecting respective single elements, as well as magnetic coils (8) and a voltage source (5) supplying the integrated circuit (1), interlocks, magnetic coils and electroplastic actuator.

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